

WHAT IS CLAIMED IS:

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A1 1. In a computer system, a method comprising:

interpreting a page, the page comprising:

5 an import instruction that references a behavior component; and

an element linked to the behavior component; and

determining a behavior of the element on the page by instantiating the behavior component in accordance with the import instruction prior to interpreting the element.

10 2. The method of claim 1, wherein the element is associated with a namespace in the page.

15 3. The method of claim 2, wherein the behavior component comprises a name for creating a custom element that may be linked to the behavior component, and wherein a syntax for the element comprises a reference to the name.

20 4. The method of claim 3, wherein the syntax for the element further comprises a reference to the namespace.

5. The method of claim 1, wherein the behavior component comprises a name for creating a custom element that

may be linked to the behavior component, and wherein a syntax for the element comprises a reference to the name.

6. The method of claim 1, wherein the behavior
5 component is instantiated in accordance with a thread, and wherein the import instruction causes at one other thread to cease while instantiating the behavior component.

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10 7. The method of claim 1, further comprising binding the element to the behavior component.

15 8. The method of claim 7, wherein the element is bound synchronously to the behavior component.

15 9. The method of claim 1, wherein the behavior component comprises content, and wherein instantiating the behavior component comprises inserting the content into the page.

20 10. The method of claim 9, wherein interpreting the page comprises creating a document structure, wherein instantiating the behavior component comprises creating a document fragment including content, and wherein inserting the content into the

page comprises inserting the document fragment into the document structure.

11. The method of claim 1, wherein interpreting the page
5 comprises creating a document structure, and wherein
instantiating the behavior component comprises,
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creating a document fragment; and
inserting the document fragment into the document
structure.

12. The method of claim 1, wherein interpreting the page
comprises creating a document structure, and wherein
instantiating the behavior component comprises,
creating a document fragment; and
maintaining the document fragment separate from the
document structure.

13. The method of claim 12, wherein the element
comprises a pointer to the document fragment.

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14. The method of claim 13, wherein the document
fragment comprises content, and wherein interpreting the page
comprises inserting the content into the page.

15. The method of claim 14, wherein inserting the content into the page comprises inserting the content into the position of the element in the page.

5 16. The method of claim 1, wherein the behavior component comprises script.

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17. The method of claim 16, wherein the behavior component comprises an HTC file.

18. A computer-readable medium having computer-executable instructions comprising:

interpreting a page to create a document structure, the page comprising an instruction to instantiate a behavior component;

instantiating the behavior component in accordance with the instruction, instantiation of the behavior component creating a document fragment; and

20 maintaining the document fragment separate from the document structure.

19. The computer-readable medium of claim 18, wherein the page comprises an element linked to the behavior

component, and wherein the element comprises a pointer to the document fragment.

20. The computer-readable medium of claim 19, wherein
5 the interpreting the page comprises applying a behavior of the
behavior component to the element.

21. The computer-readable medium of claim 19, wherein
the document fragment comprises content, and wherein
interpreting the page comprises inserting the content into the
page.

22. The computer-readable medium of claim 21, wherein
inserting the content into the page comprises inserting the
content into the position of the element in the page.

23. The computer-readable medium of claim 18, wherein
the document fragment comprises content, and wherein
interpreting the page comprises inserting the content into the
page.

24. A computer-readable medium having computer-executable instructions, comprising,

linking an element placed in a page to a behavior component, the behavior component including content therein; interpreting the page to form a document structure; when interpreting the element, instantiating the behavior component to determine a behavior of the element on the page, the behavior including a pointer to the content; instantiating the behavior component to create a document fragment, the document fragment maintained separately from the document structure; accessing the content via the pointer; and inserting the content into a representation of the page.

25. A computer-readable medium having computer-executable components comprising:
a behavior component;
an import instruction component in a page, the import instruction configured to call for instantiation of the behavior component during a parsing of the page and further configured to associate the behavior component with the page;
20 an element in the page that is defined by a behavior of the behavior component and configured such that, during the parsing of the page, the element binds with the behavior component and applies the behavior.

26. The computer-readable medium of claim 25, wherein the behavior component comprises an instruction component configured such that during the parsing of the page, static content within the element is not parsed.

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27. The computer-readable medium of claim 26, further comprising an executable file for accessing the content within the element.

10 28. The computer-readable medium of claim 27, wherein the executable file comprises script.

15 29. A computer-readable medium having computer-executable instructions comprising:

interpreting a page, the page comprising an instantiation instruction that calls for instantiation of a behavior component, the behavior component comprising a parsing instruction; and

20 instantiating the behavior component in accordance with the instantiation instruction, the instantiation precluded by the parsing instruction from parsing static content in the behavior component.